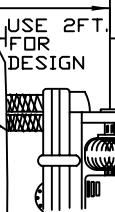


PROVIDE POST FOR IDENTIFICATION
AND PROTECTION

SUCTION INLET OF PUMP

LOCKABLE COVER
GROUND LINE AT PIPE, ELEV. ----



ALL WEATHER
ROAD, ELEV. ----

USE 2 FT.
FOR DESIGN

NORMAL WATER LEVEL, ELEV. ----

3' SOUTH OF U.S. 40
4' NORTH OF U.S. 40
FOR EVAPORATION LOSSES
OR ICE POTENTIAL

FT. (USABLE WATER FOR FIRE
SUPPRESSION + DRAWDOWN DEPTH)

USEABLE WATER SOURCE LEVEL, ELEV. ----

DRAWDOWN ---- FT.

STATIC HEAD
10 FT. PREFERRED

FT. ----' DIAM. PVC CONNECTING PIPE,
SDR 35, SDR 26, OR SCH. 40 WITH WATERTIGHT JOINTS

INTAKE STRAINER
(SEE ALTERNATE
DETAILS)
DISTANCE
1/3 TOTAL
PIPE
EXPOSED
2' MIN. FOR SEDIMENT ACCUMULATION
(IF REQUIRED)
SUPPORT
ELEV. ----
*MANHOLE/DRAFTING BASIN
36" MIN. DIAMETER
ELEV. ----
*APPLY MASTIC
OR GROUT AROUND PIPE.

SECTION THROUGH INSTALLATION

12" COVERING OF #2
IDOT COARSE AGGREGATE
(NOT REQUIRED IF AT
LEAST 2 FEET OF WATER
BELOW INTAKE STRAINER)

*PRECAST CONCRETE OR OTHER
MANUFACTURED MANHOLE
APPROPRIATE FOR REQUIRED
DEPTH.

END CAP
WITH HOLES
HOLES IN BOTTOM
2/3 OF PIPE
NO HOLES IN TOP 1/3 OF PIPE

ALTERNATE INTAKE
STRAINER DETAILS

END VIEW

END CAP

INTAKE STRAINER

ALTERNATE INTAKE
STRAINER DETAILS

NOTES:

- 1 - USE 20' SECTION OF PIPE INTO WATER. THE
LAST JOINT SHALL BE BURIED IN BANK 2' MINIMUM.
- 3 - INTAKE STRAINER CAN BE WELL SCREEN
WITH MINIMUM OPENINGS OF 4 TIMES AREA OF
PIPE OR DRILL HOLES AS SHOWN IN CHART IN
BOTTOM 2/3 OF PIPE. DO NOT DRILL HOLES IN
TOP 1/3 OF PIPE. COMMERCIAL MANUFACTURED
STRAINERS FOR FIRE PROTECTION SYSTEMS MAY
ALSO BE USED.

NOT TO SCALE

DETAILS OF
DRAFTING BASIN

INDIANA

U. S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

| | | | |
|---|------------------------|--|-----------------|
| Designed J. SELL E. BLUM G. GILMAN | 11-95 3-90 11-95 | Approved By Title Project Number | Checked Date |
|---|------------------------|--|-----------------|

GENERAL

Construction operations shall be carried out in such a manner and sequence that erosion and pollution potential will be minimized. Ideally, a drafting basin should be installed during the initial construction of a pond.

The completed job shall present an appearance of good workmanship and shall conform to the lines, grades, and elevations shown on the drawings.

All operations shall be carried out in a safe and skillfull manner. Safety and health regulations shall be observed and appropriate safety measures used.

SITE PREPARATION

All trees, stumps, brush, and similar materials are to be removed from the construction area and disposed of in a manner consistent with environmental concerns and proper functioning of the structure.

EXCAVATION

To the extent needed, all suitable materials removed from the specified excavation shall be used in the backfill for the basin and connecting pipe. All excess material shall be spread adjacent to the structure, sloped to drain and vegetated or otherwise disposed of in an acceptable manner.

CONSTRUCTION TOLERANCES

Basin dimensions and elevations: +0.1 foot
Connecting Pipe length: +2.0 feet
Connecting Pipe elevations: +0.5 feet

FINISH AND CLEANUP

The area and designated spoil areas will be finished in a relatively smooth condition ready for seeding. All rocks 3 inches in diameter or larger and roots shall be removed from the surface areas.

VEGETATIVE ESTABLISHMENT

All disturbed areas shall be vegetated unless otherwise protected from erosion.

Apply lime to raise the pH to ____ at a rate of ____ tons per acre, if required.

Fertilize according to soil test recommendations or at a rate of 500 pounds of 12-12-12 fertilizer (or equivalent) per acre as soon as the basin has been installed if within seeding dates.

Work the fertilizer and lime into the soil to a depth of 2 - 3 inches with a harrow , disk or hand tools. Seeding will be done at the following rates:

Seed _____ at _____ lbs/acre
_____ at _____ lbs/acre

Dormant seeding may be done between December 10 and February 28. Liming, fertilizing, seedbed preparation and mulching may be done at the end of construction ahead of the dormant seeding. The seed may be broadcast on top of the mulch with a 50% increase in rate.

Apply mulch at the rate of _____ tons of straw per acre.

OPERATION AND MAINTENANCE

System must be checked and pump tested upon completion to verify system capacity and condition.

Perform regular pump test and back flushing on at least an annual basis or as per NFPA recommendations. Records and schedules should be coordinated with the local fire department training and testing needs.

Maintain access to basin free of debris and woody vegetation. Keep the all-weather road clear of snow and debris and in good repair.

Maintain area in pond around intake strainer free from floating debris and all pond vegetation that could become lodged in the strainer during pumping. Water weeds must not be allowed to plug the inlet of the pipe.

| | |
|---|----------------------------------|
| COOPERATOR _____ | |
| _____ COUNTY SWCD, INDIANA | |
| LOCATION _____ | |
| DRAFTING BASIN SPECIFICATIONS | |
| INDIANA | |
| U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | |
| Designed J. SELL 11-95 E. BLOOM 10-88 | Approved By _____ Title _____ |
| Drawn G. GOLDMAN 11-95 | Title _____ |
| Traced _____ | Sheet _____ Drawing No. _____ |
| Checked _____ | No _____ of _____ |